ZENTRALE VERTRAGSKUNDENDIENSTE + ERSATZTEILE-LAGER
Rudolf Hemmersbach
Rohrmannstraße 12 · 8500 Nürnberg 80 · Tel. (0911) 26 84 81 · Telex 06 23 856 FSHEM

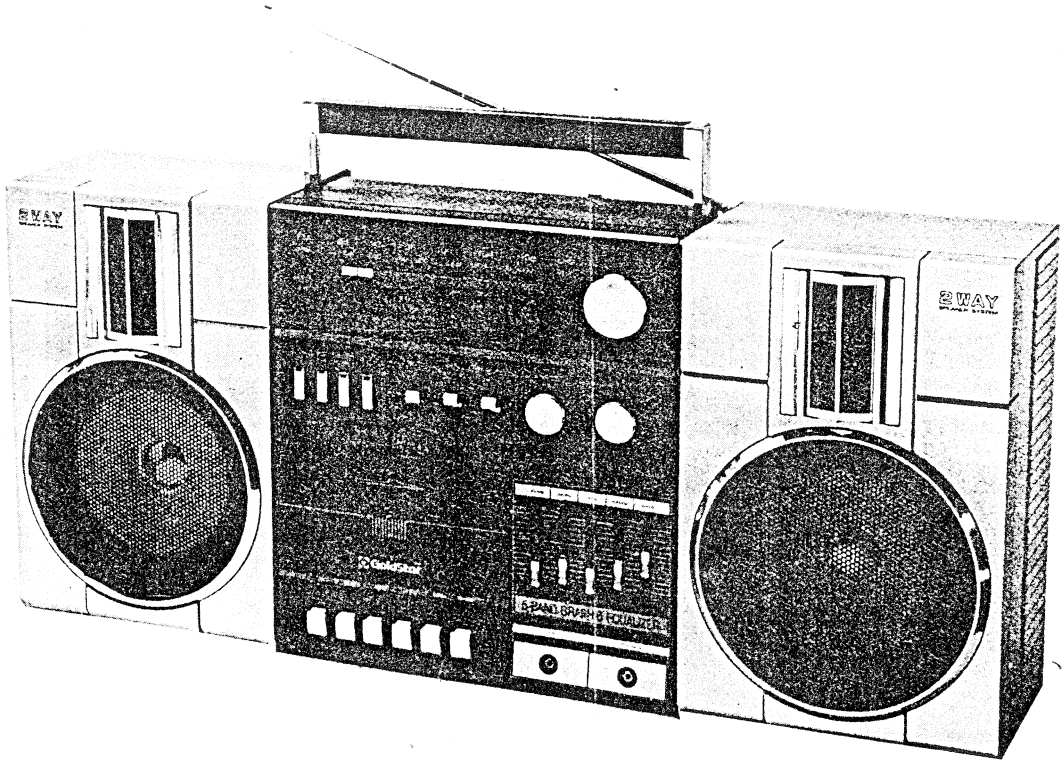
T 03

Service

WatsoN® RR 5630

elite RR 5630

tristar® RR 5630



SPECIFICATIONS

General Performance Specifications

	Item		Specification
1.	Circuit system		1. Radio-FM, MW, LW, SW 2. Tape- 4 track, 2 channel Rec/PB
2.	Semiconductors	IC (9EA)	KIA7358P (FM FRONT), KIA7640AP (FM/AM IF), KIA7343P(FM MPX) KA1222 (EQ), LA3160 (EQ), KA2224 (PRE-AMP), LA3220 (PRE-AMP) LB1423 (LED DRIVE), M5226P (G-EQ), HA1392 (POWER AMP)
		TR (8EA)	KTC380TM-O, KTC9013A-H, KTC9014A-C, GS-2013H
		Diode (12EA)	1S2236 (AFC), 1S2472, ZPD9.1V, ZPD10V, MI-151, MI-151R
		LED (3EA)	Tuning (GN) 1 Dot, Stereo (RD) 1 Dot, Level (RD) 5 Dot.
3.	Feature		1. Radio: FM, MW, LW, SW 2. Tape: Normal, CrO_2 (Metal-PB) 3. Graphic EQ: 100Hz, 340Hz, 1kHz, 3.4 kHz, 10kHz 4. LED: Stereo, Tuning, Level (5 Dot) 5. Single rod antenna. 6. 2 way 4 speaker system (Internal) 7. Stereo, Mono 8. Balance, Main Volume 9. C-Mic W/External Mic 10. Deck: Front loading & Auto stop system 11. Din Jack in (In/Out)-Optional
4.	Speaker		Woofer: 5¼ Inch (4 ohm × 2) Tweeter: Piezo × 2
5.	Power source		DC: 12V ("D" cell × 8) AC: 100 ~ 240, 50/60Hz (Optional)

MW Performance Specifications

	Item		Test Freq. (kHz)	Unit	Limit	Nominal	Test Condition
1.	Frequency range			kHz	525~1630	515~1650	
2.	Intermediate frequency			kHz		455 or 465	Option
3.	Sensitivity		600	dB	58	50	Mod. 30% 400Hz
			1000	dB	56	50	R.O.P: 50 mW
			1400	dB	56	50	S/N: 20 dB
4.	S/N ratio		1000	dB	35	40	Input: 74 dB, Mod: 30% 400Hz R.O.P.: 50mW = 0 dB
5.	I.F. rejection ratio		600	dB	30	40	
6.	Image rejection ratio		1400	dB	26	36	
7.	Selectivity		1000	dB	15	25	±9 kHz
8.	10% T.H.D. power output		1000	mW	3.5W/2.8W		DC/AC
9.	T.H.D.		1000	%	5	2	Mod: 30%, 400Hz Input: 74 dB
10.	Audio response	100Hz	1000	dB	0 ±6	0	Mod: 30%, 400Hz
		4 kHz	1000	dB	−13 ± 6	0	Input: 74 dB

LW Performance Specifications

	Item	Test Freq. (kHz)	Unit	Limit	Nominal	Test Condition
1.	Frequency range		kHz	140 ± 10 ~360 ± 20	140~360	
2.	Intermediate frequency		kHz		455 or 465	Option
3.	Sensitivity	160	dB/m	65	58	Mod: 30%, 400Hz
		260	dB/m	65	58	R.O.P.: 50mW
		330	dB/m	65	58	(S/N 20 dB)
4.	Image rejection ratio	330	dB	26		
5.	I.F. rejection ratio	260	dB	30	35	74 dB, 30%, 400Hz Mod.

SW Performance Specifications

	Item	Test Freq. (MHz)	Unit	Limit	Nominal	Test Condition
1.	Frequency range		MHz	5.7~18.5	5.8~18.3	
2.	Intermediate frequency		kHz		455 or 465	Option
3.	Sensitivity	6.5	dB/m	45	35	330Ω + 10PF series
		11	dB/m	45	35	dummy use.
		16	dB/m	45	35	(S/N 20 dB)
4.	Inage rejection ratio	16	dB	2	5	〃
5.	S/N ratio	11	dB	35	45	〃

FM Performance Specifications

	Item		Test Freq. (MHz)	Unit	Limit	Nominal	Test Condition
1.	Frequency range			MHz	87.35 ~108.25		FTZ spec adjustment: Low-87.35, High-108.25
2.	Intermediate frequency			MHz	10.7 ± 0.1	10.7	
3.	Sensitivity		90	dB	18	10	S/N 26 dB
			98	dB	18	10	Dev.: 22.5 kHz, 400Hz
			106	dB	18	10	50mW output
4.	S/N Ratio		98	dB	50	60	Input 60 dB, Dev: 22.5 kHz, 40Hz Power: DC12V
5.	I.F. rejection ratio		90,98	dB	60	70	
6.	Image rejection ratio		90,98,106	dB	25	30	
7.	Automatic Frequency control		98	kHz	±250±100	±250	Dev.: 22.5 kHz, 400Hz Input: 40 dB, −3 dB
8.	10% THD power output		98	mW	3.5/2.8W		
9.	T.H.D.		98	%	3	1	Dev.: 22.5kHz, 400Hz, 1kHz Input: 60 dB, R.O.P.: 50mW
10.	Audio response	100Hz	98	dB	0±3		Pre-Amp Asia, USA: 75μS Europe: 50μS Dev: 22.5kHz 1kHz=0dB
		10kHz	98	dB	0±3		
11.	Stereo separation		98	dB	20 (1kHz)	30 (1kHz)	

Tape Performance Specifications

	Item		Test Tape	Unit	Limit	Test Condition
1.	Tape speed		MTT-111	cm/sec	±3 %	
2.	Winding time	F.F.	C-60	sec	110	
		Rew	C-60	sec	110	
3.	Wow & Flutter		MTT-111	%	0.3	JIS WRMS
4.	Frequency response (Play)	Normal	MTT-216	dB	±6	125Hz~8kHz (1kHz=0 dB)
		CrO_2, Metal	MTT-316	dB	±6	125Hz~10kHz (1kHz=0 dB)
5.	Frequency response (Rec/Play)	Normal	MTT-502	dB	±6	125Hz~8kHz (1kHz=0 dB) Input −75 dbm
		CrO_2		dB	±6	125Hz~8kHz(1kHz=0 dB) Input −75 dbm
6.	Distortion	Play	MTT-118	%	3	Input: −60 dBm, 1kHz
		Rec/Play	MTT-501	%	5	R.O.P.: 50mW
7.	S/N ratio	Play	MTT-112S	dB	40	Input: −60 dBm, 1kHz
		Rec/Play	MTT-501	dB	36	
8.	Cross talk	Track	MTT-121	dB	35	1kHz, B.P.F. use.
		Channel	MTT-141	dB	35	
9.	Erase ratio		MTT-502	dB	40	Input: −40 dBm 1kHz B.P.F. Use.
10.	Azimuth alignment		MTT-114	dB	3	at 8kHz

NOTE: Nominal specs represent the design specs: all units should be able to approximate these—some will exceed and some may drop slightly below these specs. Limit specs represent the absolute worst condition which still might be considered acceptable: in no case should a unit perform to less than within any limit spec.

DIAL CORD STRINGING

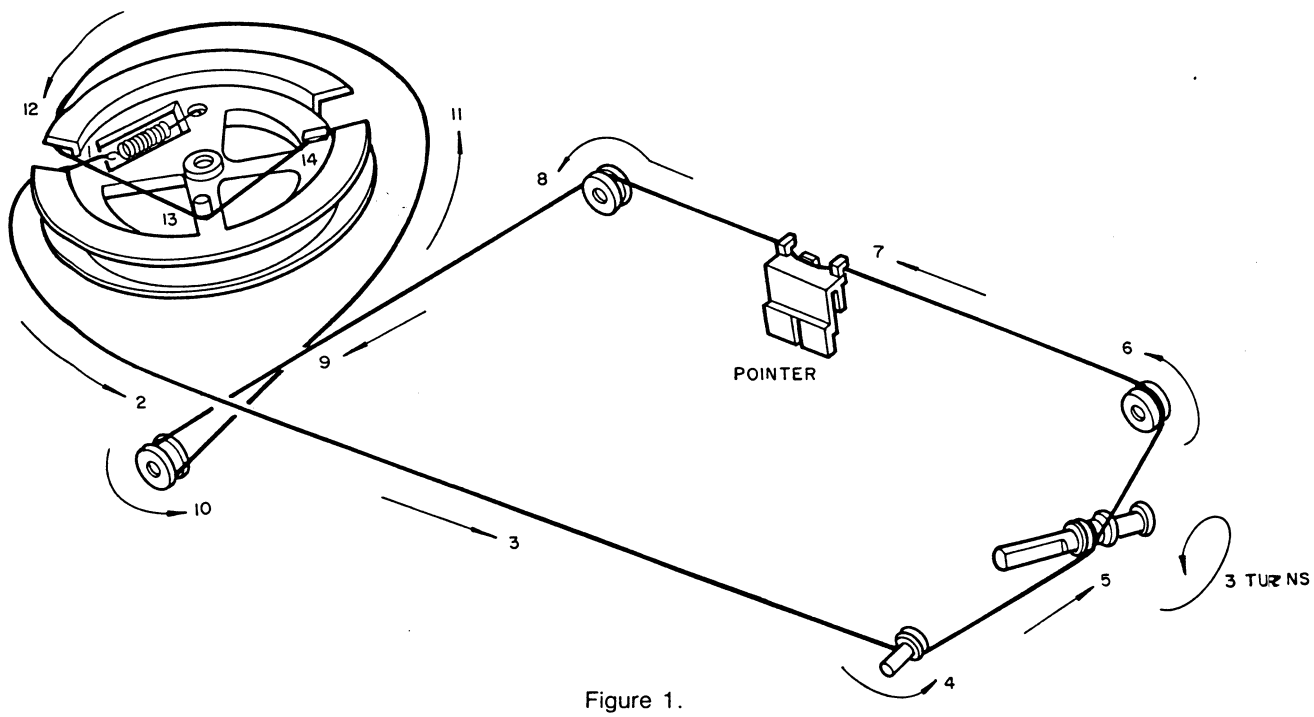
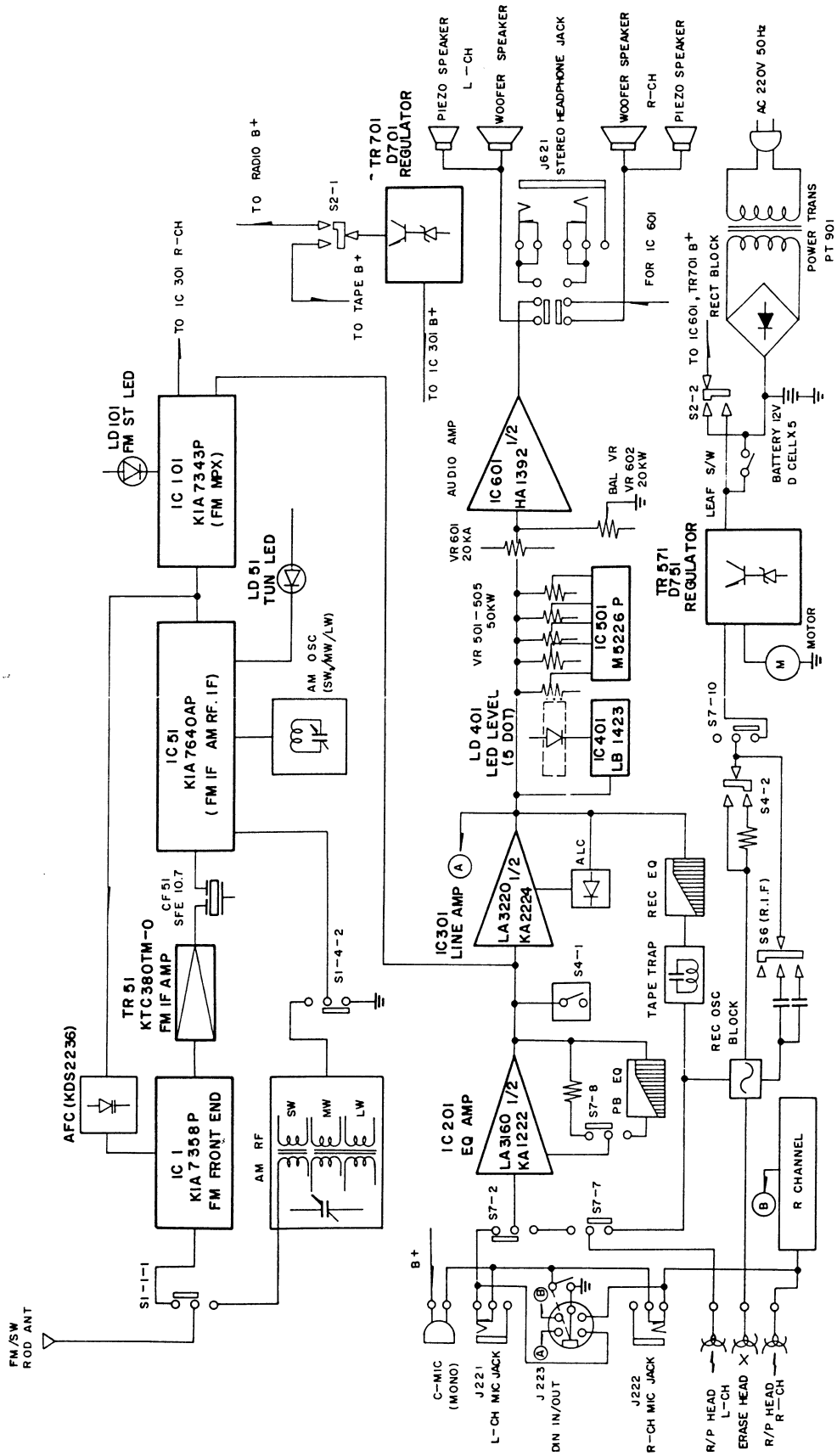


Figure 1.

Set the tuning capacitor to minimum frequency and string the cord following the numbers in figure 1.

BLOCK DIAGRAM



ALIGNMENT INSTRUCTIONS

Equipment Needed

1. AM Signal Generator
2. FM Signal Generator
3. IF Sweep Generator with marker Capabilities
4. FM Stereo Signal Generator
5. Oscilloscope
6. Output Meter (VTVM)
7. FM MPX Signal Generator
8. Frequency Counter
9. Nonmetallic Alignment Tools

Important

1. Check power-souce voltage.
2. Set the function switch to band being aligned.
3. Turn volume control to minimum unless otherwise noted.
4. Connect low side of signal source and output indicator to chassis ground unless otherwise specified.
5. Keep the signal input as low as possible to avoid AGC and AFC action.
6. Standard modulation is 400 Hz at 30% for AM. (400 Hz at 22.5 kHz deviation for FM)

Test and adjustment points

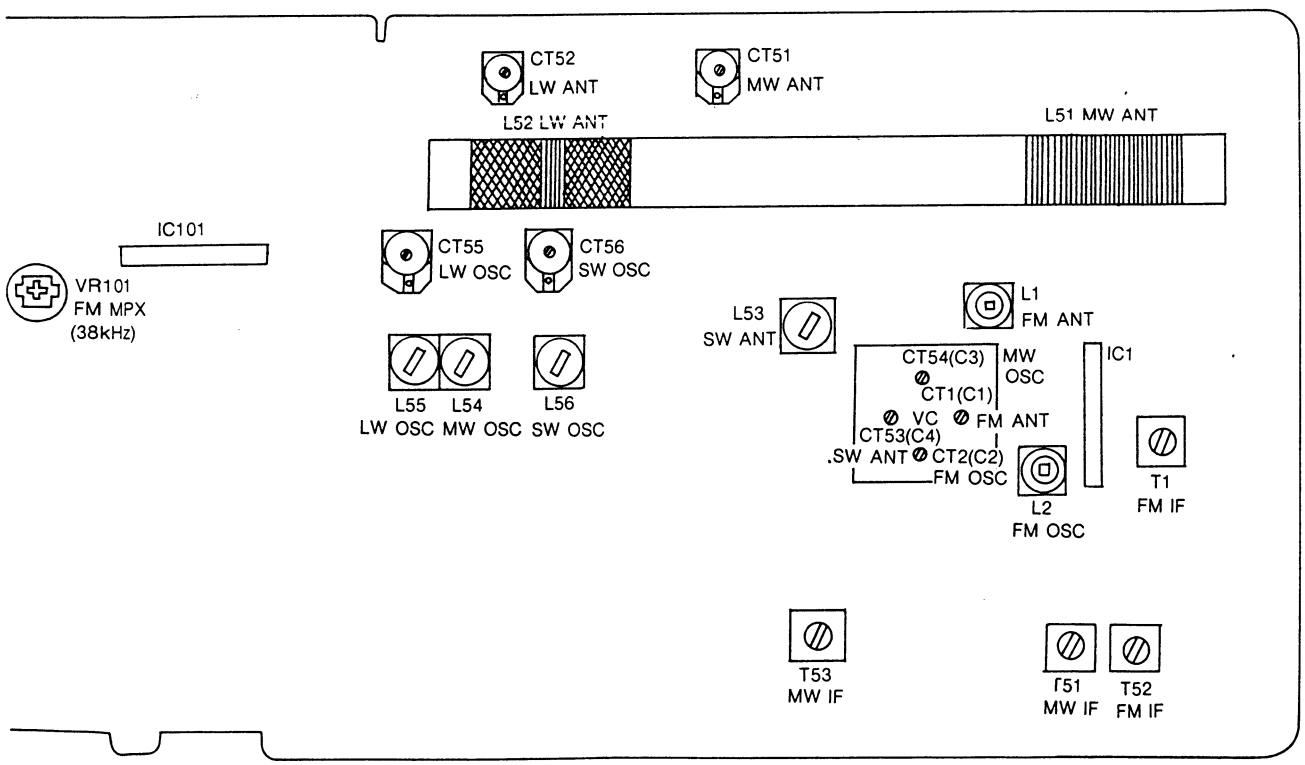
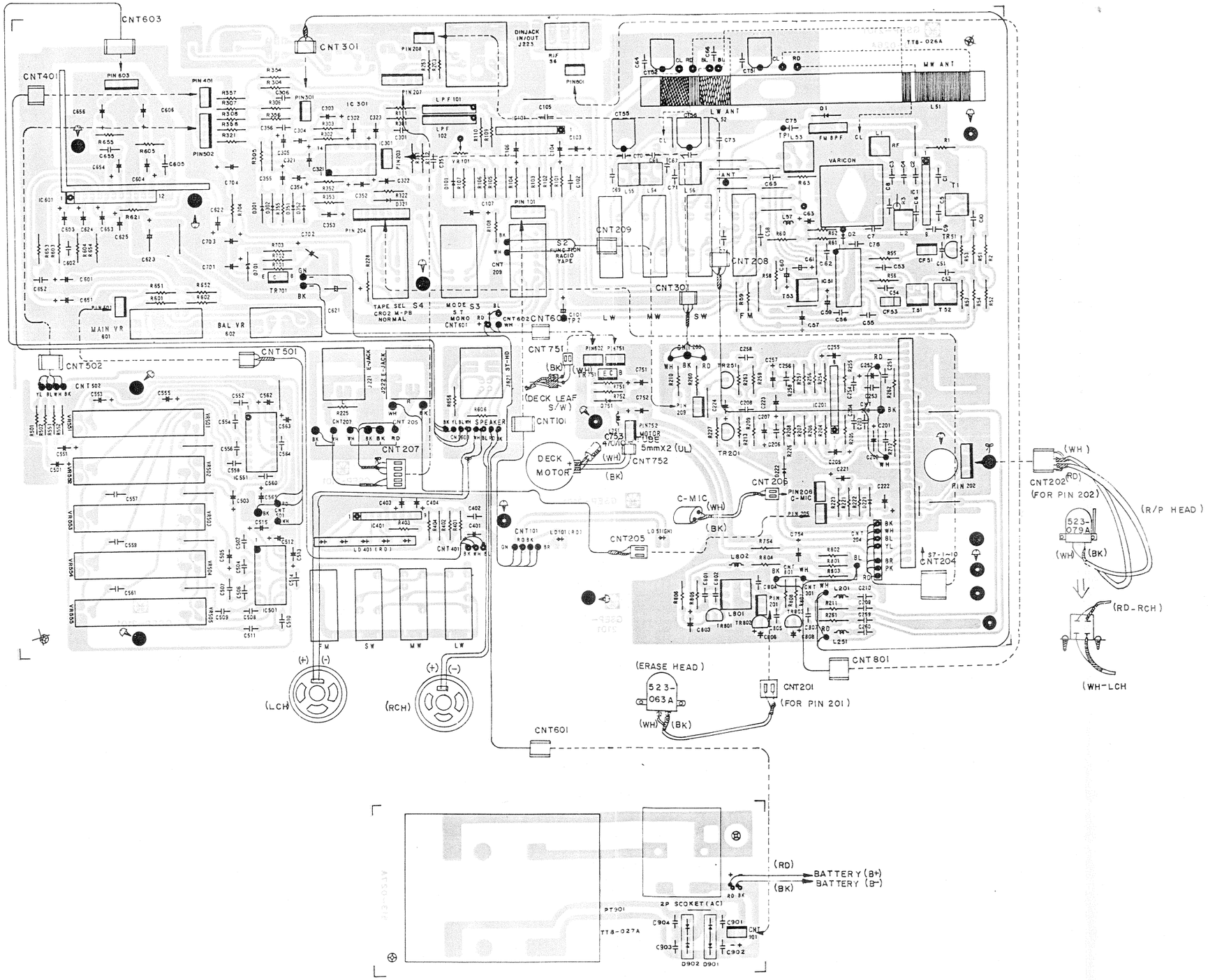
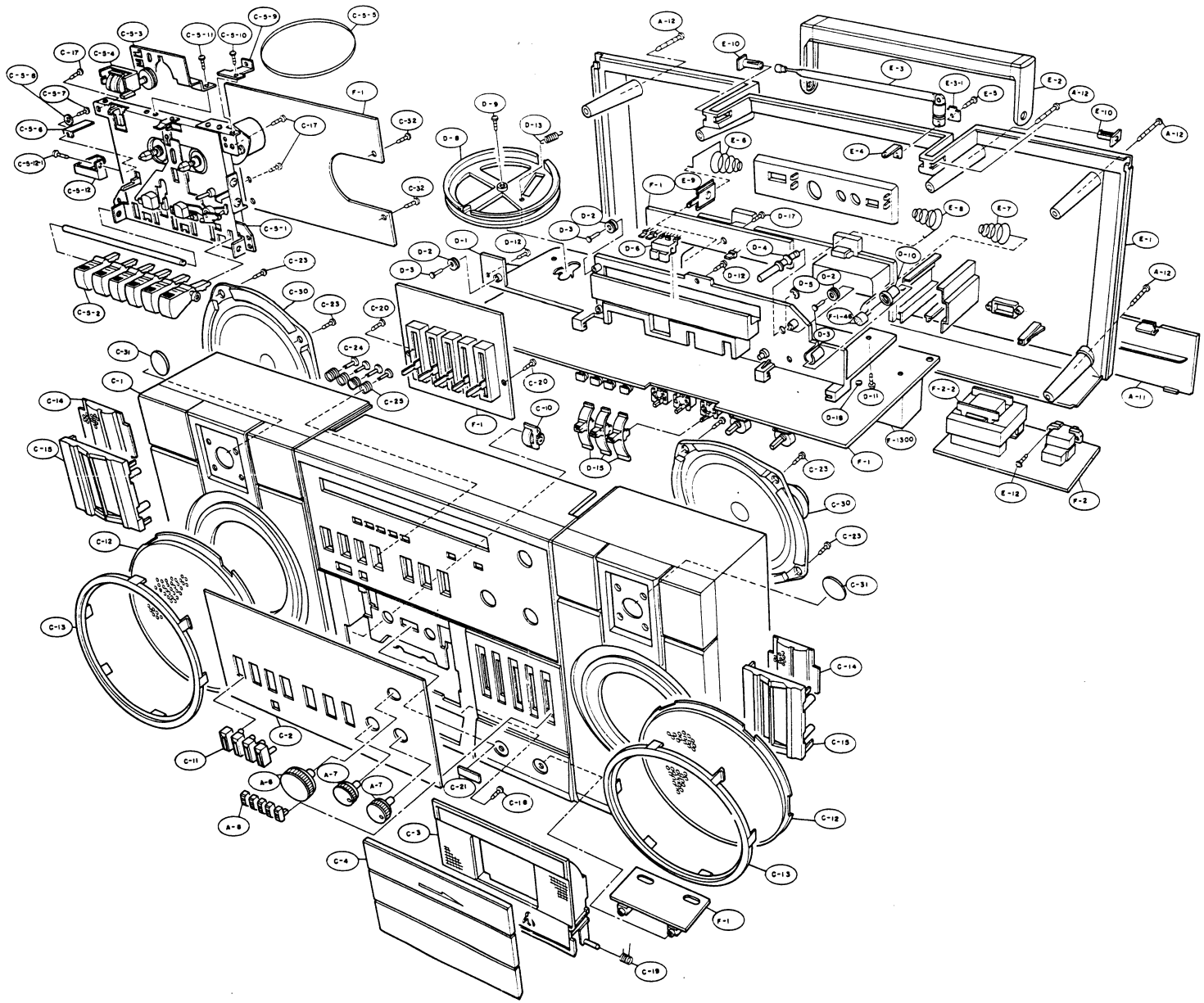


Figure 2. RF P.C. BOARD

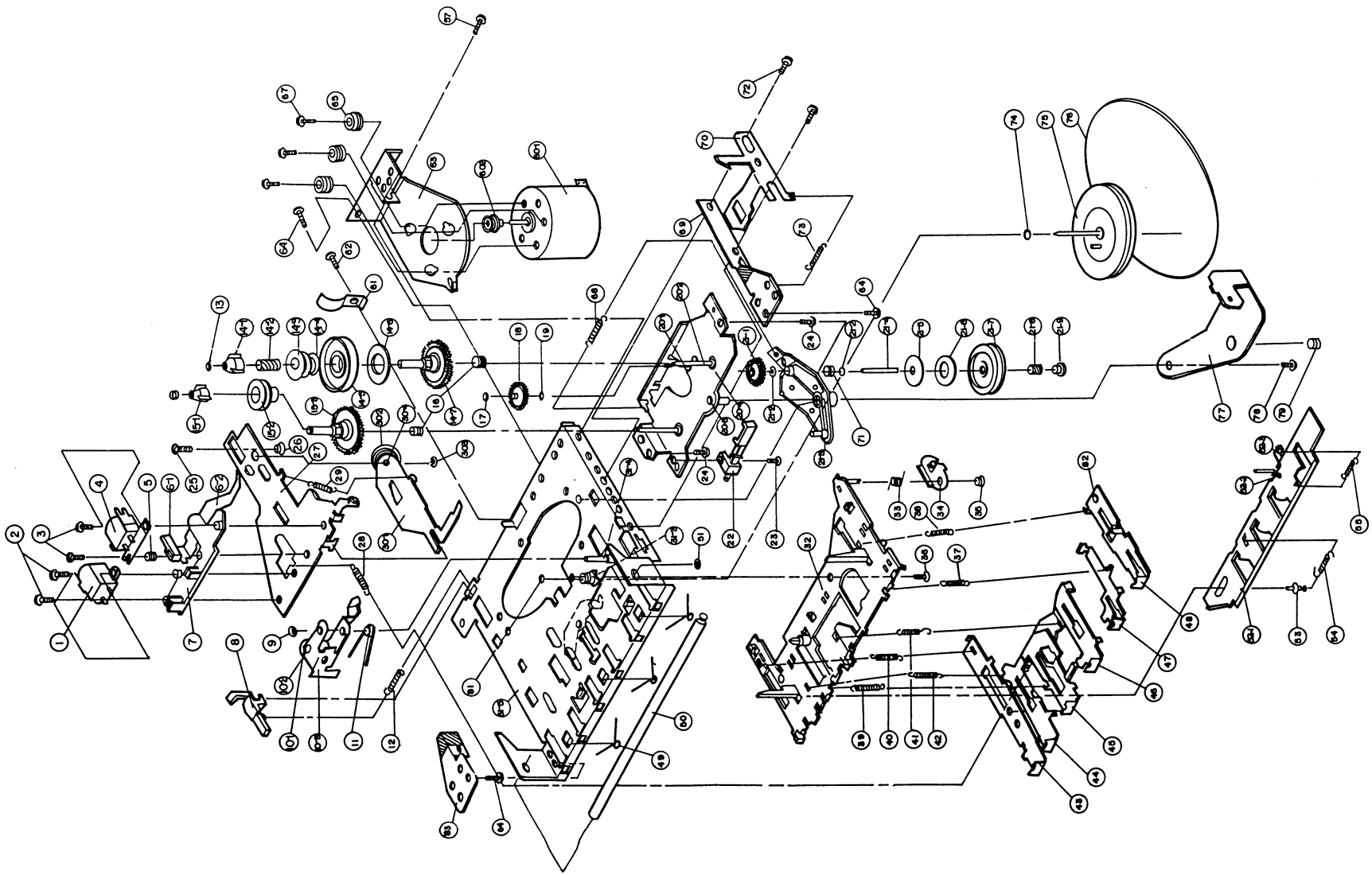
P.C. BOARD ASSEMBLY (COMPONENTS SIDE)
& WIRING DIAGRAM



EXPLODED VIEW FOR CABINET



EXPLODED VIEW FOR DECK MECHANISM



ELECTRICAL PARTS LIST

CAUTION: A ⚠ in the schematic diagram and the parts list designates components which have special characteristics important to safety and should be replaced only with type identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 2 in this manual. Do not degrade the safety of the receiver through improper servicing.

Ref. No.	Mfr's Part No.	Description
INTEGRATED CIRCUITS		
IC1	668-108D	KIA7358P (FM FNT)
IC51	668-192A	KIA7640AP (AM/FM IF)
IC101	668-159A	KIA7343P (FM MPX)
IC201	668-145A	LA3160 (PRE-AMP)
	668-110A	KA1222 (EQ)
IC301	668-163A	LA3220 (EQ)
	668-163B	KA2224 (Dual EQ AMP W/ALC)
IC401	668-638A	LB1423
IC501	668-655A	M5226P (Graphic EQ)
IC551	668-655A	M5226P (Graphic EQ)
IC601	668-625A	HA1392 (Audio-Power IC)
TRANSISTORS		
TR51	665-820B	KTC380TM-0
TR201	665-703B	KTC9013A-H
TR251	665-703B	KTC9013A-H
TR701	661N027A	GS-2013H
TR751	661N027A	GS-2013H
TR801	665-703B	KTC9013A-H
TR802	665-704B	KTC9014A-C
TR803	665-704B	KTC9014A-C
DIODES		
D1	652-605B	IS2472-Switch
D2	654-418A	IS2236-FM AFC
D101	652-605B	IS2472-Switch
D222	652-605B	IS2472-Switch
D221	652-605B	IS2472-Switch
D301	652-605B	IS2472-Switch
D302	652-605B	IS2472-Switch
D321	652-605B	IS2472-Switch
D351	652-605B	IS2472-Switch
D352	652-605B	IS2472-Switch
D701	654-616A	Zener, ZPD9.1
D751	654-612B	Zener, ZPD10
D901	652-021C	M1-151 Rectifier
D902	652-021D	M1-151R Rectifier
LD51	653-401B	LED, LN317RP REC
LD101	653-401A	LED, LN217RP REC
LD401	653-109A	LED, LN05202P RD

Ref. No.	Mfr's Part No.	Description
COILS AND TRANSFORMERS		
L1	635-020A	Coil, FM RF (OSC)
L2	635-020B	Coil, FM RF (OSC)
L51/52	632-203E	Coil, MW/LW Ant
L53	634-609A	Coil, MW Ant (SW RF)
L54	634-015C	Coil, MW OSC
L55	634-037F	Coil, LW OSC
L56	634-020E	Coil, SW OSC
L57	639-003N	Coil, Padding 3.3mH
L201	637-005B	Coil, Peaking 33mH
L251	637-005B	Coil, Peaking 33mH
L751	639-003I	Coil, Padding 4.7μH
L801	634-036C	Coil, Tape OSC
L802	639-003I	Coil, Padding 4.7μH
T1	644-018F	Trans, FM IF
T51	644-039M	Trans, MW IF
T52	647-011F	Discriminator
T53	644-013F	Trans, MW IF
⚠P/T 901	641-710C	Trans, Power AC220V 50HZ
SWITCHES AND JACKS		
S1	554-613Q	SW, Push-Band
S2	556-611Q	SW, Lever-Function
S3	556-611F	SW, Lever-Mode
S4	556-611F	SW, Lever-Tape Selector
S6	552-628A	SW, Slide-RIF
S7	552-035F	SW, Slide-Tape R/P
J221	571-101B	Jack, Mic
J223	573-075B	Jack, Socket Din
J621	571-102A	Jack, ST Headphone
	577-005C	Socket AC-IN
MISCELLANEOUS PARTS		
VR101	613-002C	VR, Semi Fixed 4.7kB-FM Pilot 38kHz Adjustment.
VR501	612-605H	VR, Slide 50kW G-EQ
VR502	612-605H	VR, Slide 50kW G-EQ
VR503	612-605H	VR, Slide 50kW G-EQ
VR504	612-605H	VR, Slide 50kW G-EQ
VR505	612-605H	VR, Slide 50kW G-EQ

Ref. No.	Mfr's Part No.	Description
VR601	611-647X	VR, 20KA-Main
VR602	611-648P	VR, 20kW-Balance
B.P.F	616-011A	Filter, Band Pass-FM
CF51	616-007A	Filter, Ceramic (BL, RD, OR)-FM
CF53	616-003E	Filter, Ceramic-AM
LPF101, 102	616-009A	Filter, Ceramic

Ref. No.	Mfr's Part No.	Description
C-MIC	542-033A	Condenser Mic
CT51	623N023B	Trimmer T1-1-8
CT52	623N023B	Trimmer T1-1-8
CT55	623N023H	Trimmer
CT56	623N023B	Trimmer T1-1-8
	622N048E	Varicon, Poly

MECHANICAL PARTS LIST

Cabinet

Ref. No.	Mfr's Part No.	Description
A-6	271-172A	Knob, Tuning
A-7	272-254A	Knob, Volume
A-8	273-689C	Knob, E.Q
A-11	221-442P	Cover, Battery
A-12	353-025R	Screw, Special Tapping 2 × 6
C-1	217-026A	Case, Front
C-2	236-191A	Window, Scale
C-3	226-037A	Door, CST
C-4	236-192A	Window CST, Door
C-5-1	412-082G	Deck, Mechanism DN-06FI
C-5-2	273-030C	Knob, Deck
C-5-3	321-665A	Bracket, Counter
C-5-4	517-114A	Tape Counter
C-5-5	451-145L	Belt, Counter
C-5-6	321-666A	Bracket Rec.
C-5-7	MPC0922J	Screw
C-5-8	WSB0900O	Washer, Spring
C-5-9	321-664A	Bracket PWB Holder
C-5-10	353-022C	Screw
C-5-11	353-022C	Screw
C-5-12	321-013A	Bracket Deck
C-5-12-1	353-022C	Screw
C-10	444-003A	Damper Ay
C-10-1	219-049A	Housing Damper
C-10-2	435-020A	Gear Damper
C-11	273-040A	Knob, Push
C-12	224-019A	Grille Speaker
C-13	246-050A	Deco, Speaker
C-14	224-018A	Grille Tweeter
C-15	246-049A	Deco, Tweeter
C-17	353-025G	Screw, Special
C-18	353-052C	Screw, Special
C-19	442-018B	Spring Cassette Holder
C-20	353-025G	Screw, Special
C-21	256-850A	Plate Reflect
C-23	353-052C	Screw, Special
C-24	324-426A	Holder, Push Knob
C-25	442-634G	Spring Knob
C-30	541-208A	Speaker Woofer

Ref. No.	Mfr's Part No.	Description
C-31	541-186B	Speaker Piezo
C-32	353-025G	Screw, Speical
C-33	MPC1836J	Screw, MPC + 3 × 8
D-1	313-403A	Chassis
D-2	434N031A	Roller
D-3	423N254A	Shaft, Roller
D-4	421-637A	Shaft, Tuning
D-5	WE02200P	E-Ring D4
D-6	361-148A	Pointer
D-8	431-022A	Pulley, Dial
D-9	MPC1530J	Screw, MPC + 2.6 × 6
D-10	447N054A	Cushion, Mic
D-11	353-025F	Screw, Special
D-12	353-025G	Screw, Special
D-13	442N064A	Spring, M
D-15	273-009A	Knob Lever S/W
D-17	353-025F	Screw, Special
E-1	217-027A	Case, Rear
E-2	261-105A	Handle Ay
E-3	532-102A	Antenna, Rod
E-3-1	221-937A	Cover (Antenna)
E-4	254-013A	Contact, Ant
E-5	353-025P	Screw, Special L=12
E-6	442-715C	Spring, Battery B
E-7	442-714D	Spring Battery-A
E-8	442-714B	Spring, Battery (A)
E-9	563N126F	Terminal, Battery
E-10	423-003A	Shaft, Handle
E-11	221-206A	Cover E.Q SW
E-12	353-025G	Screw, Special
F-1	511-026A	Main PWB Ay
F-1-46	542-033A	Condenser Mic
F-1300	255-850A	Heat Sink
F-2	511-027A	Rect PWB Ay
⚠F-2-2	641-710C	Trans, Power AC220V 50Hz

Deck Mechanism

Ref. No.	Mfr's Part No.	Description
1	99A-0220	Head Erase
2	99A-0101	Screw
3	99A-0101	Screw
4	99A-0221	Head R/P
5	99A-0103	Spring Azimuth
6	99A-0104	Arm Action Ay
6-1	99A-0105	Body Sesor
6-2	99A-0106	Arm Action
7	99A-0107	Bracket Head
8	99A-0108	Rec Safety Lvr
9	99A-0109	Washer Stopping
10	99A-0110	Pinch Rlr Ay
10-1	99A-0111	Pinch Rlr
10-2	99A-0112	Shaft Pinch Rlr
10-3	99A-0113	Frame Pinch
11	99A-0114	Spring Pinch
12	99A-0115	Spring Safety Rec
13	99A-0116	Washer
14	99A-0117	T-Reel Ay
14-1	99A-0118	Reel Cap
14-2	99A-0119	Spring Red Clutch
14-3	99A-0120	Pulley T-Count
14-4	99A-0121	Washer
14-5	99A-0122	Pulley Reel
14-6	99A-0123	Felt
14-7	99A-0124	Gear Reel Body
15	99A-0125	Reel Ay Supply
15-1	99A-0126	Reel Cap
15-2	99A-0127	Pulley S-Count
15-3	99A-0128	Gear Reel Body
16	99A-0129	Spring B Tension
17	99A-0130	Washer
18	99A-0131	Gear FF
19	99A-0132	Washer
20	99A-0133	Base Reel Ay
20-1	99A-0134	Shaft FF
20-2	99A-0231	Shaft Reel
20-3	99A-0136	Shaft Center Arm
20-4	99A-0137	Base Reel
21	99A-0138	Arm Center Ay
21-1	99A-0139	Gear Center
21-2	99A-0140	Washer
21-3	99A-0141	Arm Center
21-4	99A-0142	Shaft Center
21-5	99A-0143	Shaft Center Pulley
21-6	99A-0144	Felt
21-7	99A-0145	Pulley Center-B
21-8	99A-0231	Spring Clutch-C
21-9	99A-0147	Bushing Pivot
22	99A-0148	S/W Leaf
23	99A-0149	Screw
24	99A-0150	Screw
25	99A-0151	Screw
26	99A-0152	Shaft Head Panel
27	99A-0153	Base Head Panel
28	99A-0154	Spring Head Panel
29	99A-0155	Spring Idler
30	99A-0156	Base Idler Ay
30-1	99A-0157	Base Idler
30-2	99A-0158	Idler Fwd
30-3	99A-0159	Washer
30-4	99A-0160	Shaft Idler
31	99A-0161	Chassis Sub Ay
31-3	99A-0164	Metal Flywheel
31-4	99A-0165	Shaft Pinch Rlr
31-5	99A-0233	Chassis Main
32	99A-0167	Chassis Mold
33	99A-0168	Spring Cam
34	99A-0169	Cam Pause
35	99A-0170	Cap-P
36	99A-0171	Screw
37	99A-0172	Spring Stop Pause
38	99A-0172	Spring Stop Pause
39	99A-0173	Spring Rew
40	99A-0174	Spring Rec
41	99A-0222	Spring FF
42	99A-0175	Spring Fwd
43	99A-0176	Lever Rec
44	99A-0177	Lever Fwd
45	99A-0178	Lever Rew
46	99A-0179	Lever FF
47	99A-0180	Lever Stop
48	99A-0181	Lever Pause
49	99A-0182	Spring Button
50	99A-0183	Shaft Lever
51	99A-0184	Washer Stopping
52	99A-0185	Plate Lock Ay
52-1	99A-0136	Plate Lock
52-2	99A-0187	Shaft Arm Auto Stop
52-3	99A-0188	Arm Auto Stop
53	99A-0189	Cap-L
54	99A-0190	Spring Lock
55	99A-0191	Spring Arm Stop
57	99A-0192	Screw
60	99A-0193	Motor Ay
60-1	99A-0194	Motor
60-2	99A-0234	Pulley Motor
61	99A-0196	Spring Cst
62	99A-0197	Screw
63	99A-0198	Bracket Motor
64	99A-0197	Screw
65	99A-0199	Rubber Motor
67	99A-0235	Screw
68	99A-0202	Spring Center Arm
69	99A-0225	Bracket-R
70	99A-0204	Lever Eject
71	99A-0236	Shaft Eject
72	99A-0237	Screw
73	99A-0207	Spring Eject
74	99A-0208	Washer
75	99A-0238	Flywhel Ay
76	99A-0239	Belt Main
77	99A-0211	Bracket Flywheel
78	99A-0212	Screw
79	99A-0213	Bushing Trust
81	99A-0214	Washer
82	99A-0215	Shaft Pause Lock
83	99A-0216	Bracket Side

S T U E C K - L I S T E: T03 VOM: 23.05.85

ET - NR ET - BEZEICHNUNG PREIS SEITE: 1

124	ZU 250005 EINSORTIEREN!!!!!!!!	0,00	D=5/H=11MM
125	ZU 250007 EINSORTIEREN!!!!!!!!	0,00	D=5/H=11MM
126	ZU 250030 EINSORTIEREN!!!!!!!!	0,00	D=5/H=11MM
130388	POTI 20KX2	2,50	LAUTSTAERKE VR
130389	POTI 20 K	1,10	BALANCE VR
140113	SCH.-REGLER 20KX2	2,80	
150094	EINST.REGLER 4,7 K	0,90	
250001	ELKO #39X18MM "2200 MF/25 V"	2,10	
250015	ELKO "33 UF/10 V"	0,20	D=6/H=11MM
250018	ELKO STEHEND "470 UF/10 V"	0,60	
250019	ELKO STEHEND "220 UF/10 V"	0,36	
250044	ELKO STEHEND "47 UF/10 V"	0,30	
250050	ELKO "2,2 UF/50 V"	0,20	D=5/H=11MM EL
250075	ELKO "0,22 UF/50 V"	0,35	
250083	ELKO STEHEND "4,7 UF/50 V"	0,60	
250168	ELKO MINIATUR "100 UF/10 V"	0,60	
250171	ELKO MINIATUR "3,3 UF/10 V"	0,20	D=5/H=11MM E.
250174	ELKO MINIATUR "0,1 UF/10 V"	0,20	D=5/H=8MM E.
250200	ELKO 22 UF / 25 V	0,10	D=5/H=11MM EL
250201	ELKO 470 UF / 25V	0,60	D=13/H=20MM EL
250202	ELKO 100 UF / 16 V	0,00	D=6/H=11MM
270048	DREHKO	7,40	
280036	TRIMMER TC 5 + 8	0,80	
280037	TRIMMER TC 7	0,80	
310180	TRS 2 SC 380 O	0,45	
310252	TRS 2 SC 1359 A	1,50	
310337	TRS 2 SC 945	0,30	
310353	TRS 2 SC 9014	0,45	ET=310856/837 TR
310356	TRS 2 SC 9013H	0,60	ET=310853 TR
310800	TRS LA 733 O	0,00	FUER 25A608
310901	TRS GS 2013 E	3,70	
320113	DIODE RC 10 LC "ZENER"	0,72	
320133	DIODE 1 S 2236	0,85	
320258	DIODE ZW 7,1 "ZENER"	1,20	
320314	DIODE 1 S 2472 T	1,00	
340179	IC M 5226 P	3,70	
340200	IC KIA 7358 P	1,90	
340479	IC HA 1372	8,80	

S T U E C K - L I S T E: 103 VOM: 23.08.85

ET - NR	ET - BEZEICHNUNG		PREIS		
			SEITE: 2		
340479	IC HA 1372		8,80		
340640	IC LA 3220		5,90		
340685	IC TA 7640 AF		5,30		
341005	IC LB 1423		6,80		
341108	IC KIA 7343 F		5,30		
341363	IC TA 7358 F	'ET = KIA 7358'	9,80		
370014	GLEICHRICHTER	'M13144 MJ 156'	3,20		
370015	GLEICHRICHTER	'M13094 MJ 15R'	3,20		
410019	KERAMIKFILTER	'FFW82'	0,00		
410020	SPULE	'OSC'	0,00		
410021	FILTER	'L53'	0,60	634-609A	IF
410022	FILTER	'ROT'	0,45	634-015C	IF
410023	FILTER	'BRAUN'	0,45	634-037F	IF
410024	SPULE	'3,3MM'	0,00	639-003M	
410025	SPULE	'RF'	0,00		
410027	SPULE	'4,7MM'	0,00	639-0031	
410028	FILTER	'T1'	0,45	644-018F	IF
410029	FILTER	'T51'	0,45	644-039M	IF
410033	FILTER	'T52'	0,45	647-011F	IF
410034	FILTER	'T53'	0,45	644-013F	IF
410354	FERRITSTAB		1,90		
410364	SPULE LMK	'290 WIG.'	1,10		
410365	SPULE AM	'103 WIG.'	0,75		
410780	FILTER	'BLAU'	0,60	634-020E	
410781	SPULEN	'DIVERS'	0,30	637-005R	CO
410782	CERAMIC-FILTER	'DIVERS'	1,00		
410839	FILTER	'K3BN4103 - FM MPX'	1,10		
410925	SPULE	'LOESCHOSZILLATOR'	1,10	634-036C	CO
411015	KERAMIKFILTER	'10,7 MHZ'	3,40		
420360	NETZTRAFO		12,40	F2-2	PO
460062	LAUTSPRECHER 8R/5W		5,60	WEISSWAND	SP
460211	KONDENSATOR-MIKROFON	'83'	2,50		
460257	LAUTSPRECHER	'HT-PLAETTCHEN'	0,20		
470441	A/W-SCHIEBER		5,80		
470823	MOTORSCHALTER	'MOTOR'	3,40		
470922	TASTATUR	'AM/FM'	6,20		
470923	KIPPSCHALTER		1,90	ST/MO+METAL/NORM.SW	
470924	KIPPSCHALTER		2,20	RADIO/TAPE	SW

S T U E C K - L I S T E T03 VOM: 23.08.85

ET - NR	ET - BEZEICHNUNG	PREIS	SEITE: 3		
470924	KIPPSCHALTER	2,20	RADIO/TAPE	SW	
470923	SCHIEBESCHALTER	1,10	SEAT CUT	SW	
480181	METZBUCHSE 'PCB-TYP'	2,50			
480221	SCHALTBUCHSE '3,5MM STEREO'	0,60			
480616	BUCHSE '3,5MM STEREO'	2,80	KOPFHOERER		JA
511596	VERPACKUNG 'WATSON RR 5630'	6,30			
511597	STYROPOR	4,80			
511598	GEHAEUSE-RUECKWAND	16,40	E-1		CA
511599	FRONT GEHAEUSE 'WATSON RR5630'	31,20	C-1		FR
511600	FRONT GEHAEUSE 'ELITE RR 5630'	31,20	C-1		FR
511601	FRONT GEHAEUSE'TRISTAR RR5630'	31,20	C-1		FR
511602	VERPACKUNG 'ELITE RR 5630'	6,30			
511603	VERPACKUNG 'TRISTAR RR 5630'	6,30			
521694	TRAGEGRIFF KOMPLETT	5,30	E-2		HA
521695	HALTER TRAGEGRIFF	0,45	E-10		SH
521696	ZIERBLENDE AUF RUECKWAND	0,30	SCHALTER+BUCHSENCO		
521697	HALTER 'AUSWURFDAEMPFER'	0,30			
521698	PLASTIKRAHMEN 'SKALENSEIL'	2,20	D-1		CH
521699	FRONTGLAS 'SKALA + SCHALTER'	4,00	C-2/WATSON		WI
521700	FRONTGLAS 'SKALA + SCHALTER'	4,00	C-2/ELITE		WI
521701	FRONTGLAS 'SKALA + SCHALTER'	4,00	C-2/TRISTAR		WI
521702	TYPENSCHILD 'WATSON RR 5630'	0,10			
521703	TYPENSCHILD 'ELITE RR 5630'	0,10			
521704	TYPENSCHILD 'TRISTAR RR 5630'	0,10			
521705	LAUTSPRECHER-GRILL 'GROSS'	2,50	C-12		GR
521706	LAUTSPR.-BLENDRING 'GROSS'	2,20	C-13		BE
521707	LAUTSPR.-GRILL 'HOCHTOENER'	0,60	C-14		GR
521708	LAUTSPR.-BLENDE 'HOCHTOENER'	1,50			
521709	SPIEGEL 'CFD'	0,10	C-21		FL
531631	KNOPF 'KIPPSCHALTER'	1,30	D-15		KN
531632	KNOPF 'CASSETTENTEIL'	0,60	C-5-2		KN
531633	TUNINGKNOPF 'SENDERWAHL'	0,60	A-6		KN
531634	DREHKNOPF- LAUTSTAERKE+BALANCE	0,60	A-7		KN
531635	SCHIEBEKNOPF 'EQUALIZER'	0,60	A-8		KN
531636	TASTKNOPF 'AM/FM'	0,45	C-11		KN
531637	TASTKNOPF 'HALTER'	0,20	C-24		HO
540631	SKALENPULLY 'D=10MM'	0,01	D-2		RO
540632	TUNINGSCHEIT	1,10	D-4		SH

STUECK - LISTE: 103 VOM: 23.08.85

ET - NR ET - BEZEICHNUNG PREIS SEITE: 4

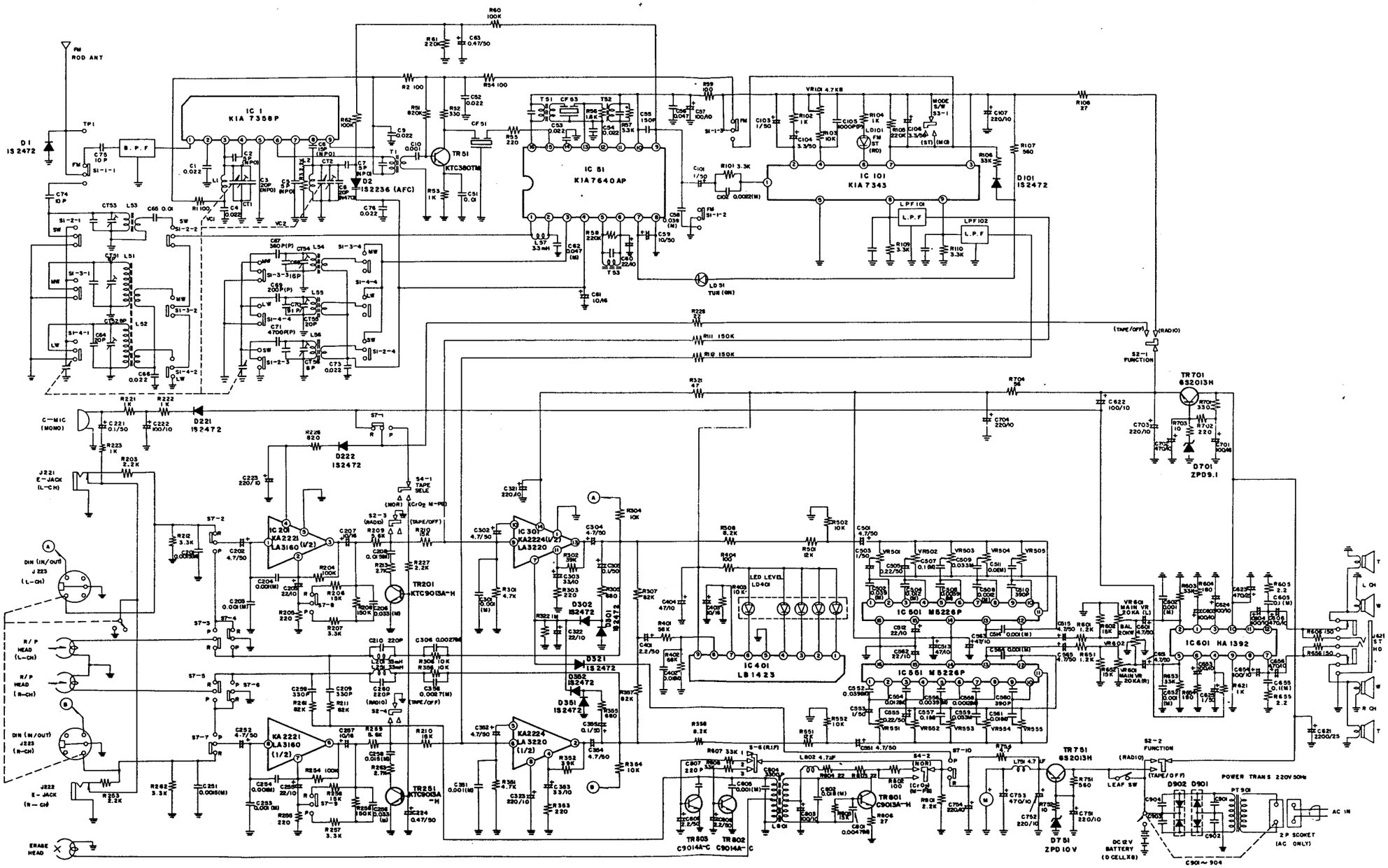
540632	TUNINGSCHAFT	1,10	D-4	SH
540633	SKALENZEIGER	0,45	D-6	FO
540634	SKALENSCHNUR	0,20	D-7	CO
540635	SKALENRAD	0,45	D-8	FU
550926	BATTERIEFACHDECKEL	1,90	A-11	CO
550927	BATTERIEKONTAKTSATZ	0,20	E-6,7,8,9	SP
550929	FENSTER CFD 'WATSON'	3,70	C-4	WI
550930	FENSTER CFD 'ELITE'	3,70	C-4	WI
550931	FENSTER CFD 'TRISTAR'	3,70	C-4	WI
550932	C F D	1,10	C-3	CA
560181	TELESKOPANTENNE	3,40	E-3	RO
570041	L E D ROT 'SX2MM'	1,65		
570361	LED -GRUEN 'SX2MM'	0,45		
570362	LED-KETTE ROT 'SXSX2MM'	2,20		
580558	PLATINE NETZTEIL	1,50	F-2	RE
580559	PLATINE 'LED'	0,30		
580560	PLATINE 'EQUALIZER'	2,20		
580561	PLATINE 'FUENFER'	2,20		
590207	BED.ANLEITUNG 'WATSON RR 5630'	1,90		
590208	BED.ANLEITUNG 'ELITE RR 5630'	1,90		
610104	RIEMEN 'D=40MM'	0,90	ZAEHLWERK	RE
610757	ANDRUCKROLLE	6,80	10	FI
610771	ZWISCHENRADMECHANIK	6,10		
610775	RUTSCHKUPPLUNG	2,80	2171-9	CL
610776	BANDTELLER 'RUCKL.'	0,75	1571-3	RE
610777	BANDTELLER 'VORL.'	0,75	ET=6105021471-7FF-1	
610779	ZWISCHENRAD	0,75	3071-4	FF
610782	ZAHNRAD	0,00	18	FL
610783	ANTRIEBSRIEMEN	2,80	76	MA
621647	SCHRAUBE F. ANT.-BEFESTIGUNG	0,10	E-5	SC
621648	FEDER IM CFD 'L+R'	0,10		
621649	SCHRAUBEN 'GEHAEUSE'	0,10	A-12	SC
621650	FEDER 'EJECT'	0,20	C-19	SP
621651	FEDER 'TASTENNUFF'	0,10	C-25	SP
621652	AUSWUCHTDAEMPFER	1,30	C-10	AI
621653	METALLSTUETZE 'PLATINE - CASS'	0,30	C-5-7	ER
621654	FEDERBLECH 'AUFNAHME'	0,30	C-5-6	ER
621655	HALTEBLECH 'BANDZAEHLWERK'	0,45	C-5-3	ER

S T U E C K - L I S T E: 103 VOM: 23.08.85

ET - NR	ET - BEZEICHNUNG	PREIS	SEITE: 3	
621655	HALTERBLECH 'BANDZAEHLWERK'	0,45	D-5-3	BR
621656	SCHAFT FUER SKALENFULLY	0,10	D-3	SH
621657	SPRENGRING '04'	0,10	D-5	E-
621658	FEDER 'SEILZUG'	0,10	D-13	SF
621659	HALTER FUER FERRITSTAB	0,10		
630005	LAUFWERK-CASS.M.LOESCHKOPF	99,60		
630144	BANDZAEHLWERK	3,10	C-5-4	TA
650065	LOESCHKOPF	4,00		
650066	A/W-KOPF	8,00		
660130	MOTOR CCW 9 V	19,20		
910230	IC KIA 7640 AP	0,00		

E n d e

SCHEMATIC DIAGRAM



NOTES
1. RESISTANCE VALUES IN OHMS CAPACITANCE IN MICROFARDS UNLESS OTHERWISE SPECIFIED.
2. THIS SCHEMATIC DIAGRAM MAY BE CHANGED FOR IMPROVEMENT OF PERFORMANCE WITHOUT NOTICE.